

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number		10590054
Filing Date		2006-06-21
First Named Inventor	Jacob WESTMAN et al	
Art Unit	1645	
Examiner Name		
Attorney Docket Number	WESTMAN-3	

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1	Abstracts of Papers Part 2, 226th ACS National Meeting, American Chemical Society, New York, NY, September 7-11, 2003.	<input type="checkbox"/>
2	NAHI, H. et al, "Effects of PRIMA-1 on Chronic Lymphocytic Leukemia cells with and without hemizygous p53 deletion", British Journal of Haematology, vol. 127, 2004, pp. 285-291.	<input type="checkbox"/>
3	NIELSEN, Arnold T., "Systems with Bridgehead Nitrogen. beta-Ketols of the 1-Azabicyclo[2.2.2]octane Series", Journal of Organic Chemistry, vol. 31, April 1966, pp. 1053-1059.	<input type="checkbox"/>
4	OKUDA, Yoshinobu et al., "Regulatory role of p53 in experimental autoimmune encephalomyelitis", Journal of Neuroimmunology, vol. 135, 2003, pp. 29-37.	<input type="checkbox"/>
5	REHMAN, Abdur et al., "Proteomic identification of heat shock protein 90 as a candidate target for p53 mutation reactivation by PRIMA-1 in breast cancer cells", Breast Cancer Research, vol. 7, No. 5, 2005, pp. R765-R774.	<input type="checkbox"/>
6	SAKAMURI, Sukumar et al., "Synthesis of 2-alkyl-3-aryl-substituted quinuclidines as novel dopamine transporter inhibitors", Tetrahedron Letters, vol. 41, 2000, pp. 9949-9952.	<input type="checkbox"/>
7	SCHIEWECK, Frank et al., "Synthesis of geminal bis(hydroxymethyl)pyrrolidine and pyrrolizidine imino sugars", J. Chem. Soc., Perkin Trans. 1, 2001, pp. 3409-3414.	<input type="checkbox"/>
8	SEKHAR, Konjeti et al., "NADPH Oxidase Activity Is Essential for Keap1/Nrf2-mediated Induction of GCLC in Response to 2-Indol-3-yl-methylenequinuclidin-3-ols", Cancer Research, vol. 63, September 1, 2003, pp. 5636-5645.	<input type="checkbox"/>
9	SHERR, Charles J., "Tumor surveillance via the ARF-p53 pathway", Genes & Dev., vol. 12, 1998, pp. 2984-2991.	<input type="checkbox"/>
10	SINGH, Tara et al., "Antimalarials. Some Quinuclidine Derivatives of 7-Chloro-4-aminoquinoline and 6-Methoxy-8-aminoquinoline", Research Laboratories of Aldrich Chemical Company, Vol. 12, May 1969, pp. 524-526.	<input type="checkbox"/>
11	SYMONDS, Holly et al., "p53-Dependent Apoptosis Suppresses Tumor Growth and Progression In Vivo", Cell, Vol. 78, August 26, 1994, pp.703-711.	<input type="checkbox"/>

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12	TONDER, Janne E., "Exploring the Stereoselectivity in the Peterson Reaction of Several 2-Substituted 1-Azabicyclo [2.2.2]octan-3-ones", Tetrahedron, vol. 56., 2000, pp. 1139-1146.	<input type="checkbox"/>
13	VOROB'EVA, et al., "Reaction of 2-Methylene-3-Oxoquinuclidine with Nucleophilic Reagents", Chemistry of Heterocyclic Compounds, vol. 10, 1977, pp. 1098-1104.	<input type="checkbox"/>
14	YANINA, A.D., et al., "Synthesis and pharmacological properties of 2- and 2,3-substituted quinuclidines", 1-Pharmacology, vol. 108, 1988, p. 71.	<input type="checkbox"/>
15	BARDEESY, Nabeel et al., "Clonal Expansion and Attenuated Apoptosis in Wilms' Tumors Are Associated with p53 Gene Mutations", Cancer Research, vol. 55, January 15, 1995, pp. 215-219.	<input type="checkbox"/>
16	BENNETT, Martin et al., "Cell Surface Trafficking of Fas: A Rapid Mechanism of p53-Mediated Apoptosis", Science, vol. 282, October 9, 1998, pp. 290-293.	<input type="checkbox"/>
17	BEROUD et al., "p53 gene mutation: software and database", Nucleic Acids Research, Vol. 26, No. 1, 1998, pp. 200-204.	<input type="checkbox"/>
18	BONAFAE et al., "The different apoptotic potential of the p53 codon 72 alleles increases with age and modulates in vivo ischaemia-induced cell death", Cell Death and Differentiation, vol. 11, 2004, pp. 962-973.	<input type="checkbox"/>
19	BONDARENKO et al., "Synthesis and antirhythmic activity of derivatives of 3-aminoquinuclidine and 2-(aminomethyl) Quinuclidine", Pharmaceutical Chemistry Journal, vol. 12., 1978, pp. 1452-1455.	<input type="checkbox"/>
20	BYKOV et al., "Mutant p53-dependent growth suppression distinguishes PRIMA-1 from known anticancer drugs: a statistical analysis of information in the National Cancer Institute database", Carcinogenesis, vol. 23, No. 12, 2002, pp.2011-2018.	<input type="checkbox"/>
21	BYKOV et al., "Novel cancer therapy by reactivation of the p53 apoptosis pathway", Annals of Medicine, vol. 35, 2003, pp. 458-465	<input type="checkbox"/>
22	BYKOV et al., "PRIMA-1MET synergizes with cisplatin to induce tumor cell apoptosis", Oncogene, 2005, pp. 1-8.	<input type="checkbox"/>

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23	BYKOV, et al., "Reactivation of Mutant p53 and Induction of Apoptosis in Human Tumor Cells by Maleimide Analogs", The Journal of Biological Chemistry, vol. 280, No. 34, August 26, 2005, pp. 30384-30391.	<input type="checkbox"/>
24	BYKOV et al., "Restoration of the tumor suppressor function to mutant p53 by a low-molecular-weight compound", Nature Medicine, vol. 8, no. 3, March 2002, pp. 282-288.	<input type="checkbox"/>
25	BYKOV et al., "Small molecules that reactivate mutant p53", European Journal of Cancer, vol. 39, 2003, pp. 1828-1834.	<input type="checkbox"/>
26	CHAKRABARTI et al., "Rearrangement of 2-[1(3H)-Oxodihydrobenzo[c]FURAN-3-YL] Quinuclidin-3-Ones to Tetrahydrobenzo[b]Quinolizines. A novel Synthesis of Benzo[b]Quinolizine Ring Systems", Tetrahedron Letters, Vol. 26, No. 35, 1985, pp. 4245-4246.	<input type="checkbox"/>
27	CHIPUK et al., "Pharmacologic activation of p53 elicits Bax-dependent apoptosis in the absence of transcription", Cancer Cell, vol. 4, November 2003, pp. 371-381.	<input type="checkbox"/>
28	EVAN et al., "A Matter of Life and Cell Death", Science, vol. 281, August 28, 1998, pp. 1317-1322.	<input type="checkbox"/>
29	FISHER et al., "The Fused Quinuclidine-valerolactone system", Tetrahedron, vol. 31, 1975, pp. 317-325.	<input type="checkbox"/>
30	GOTTLIEB et al., "p53 and Apoptosis", Cancer Biology, Vol. 8, 1998, pp. 359-368.	<input type="checkbox"/>
31	KO et al., "p53: puzzle and paradigm", Genes & Development, vol. 10, 1996, pp. 1054-1072.	<input type="checkbox"/>
32	KUMAR et al., "Clay Catalyzed Highly Selective O-Alkylation of Primary Alcohols with Orthoesters", Tetrahedron Letters, Vol. 38, No. 20, 1997, pp. 3619-3622.	<input type="checkbox"/>
33	LANGER et al., "New Methods of Drug Delivery", SCIENCE, vol. 249, No. 4976, September 28, 1990, pp. 1527-1533.	<input type="checkbox"/>

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34	LEE et al., "Expression proteomics to p53 mutation reactivation with PRIMA-1 in breast cancer cells", Biochemical and Biophysical Research Communications, vol. 349, 2006, pp. 1117-1124.	<input type="checkbox"/>
35	LI et al., "Selective induction of apoptosis in mutant p53 premalignant and malignant cancer cells by PRIMA-1 through the c-Jun-NH2-kinase pathway", Mol Cancer Ther, vol. 4, no. 6, June 2005, pp. 901-909.	<input type="checkbox"/>
36	LIANG et al., "Functional p53 blocks progesterin-induced VEGF expression in human breast cancer cells", Dalton cardiovascular Research Center and the Dept. of Biomedical Sciences, University of Missouri, Columbia, MO,	<input type="checkbox"/>
37	LOWE, III et al., "2-Aryl-azabicyclo[2.2.2]octanes as Novel Nonpeptide Substance P Antagonists", Bioorganic & Medicinal Chemistry Letters, vol. 4, no. 6, 1994, pp. 839-842.	<input type="checkbox"/>
38	LOWE et al., "p53 Status and the Efficacy of Cancer Therapy in Vivo", Science, New Series, Vol. 266, No. 5186, November 4, 1994, pp. 807-810.	<input type="checkbox"/>
39	MYERS et al., "A New Family of Small Molecules to Probe the Reactivation of Mutant p53", J. Am. Chem. Soc., July 15, 2004.	<input type="checkbox"/>
40	MORGAN et al., "Synthesis and Cardiac Electrophysiological Activity of 2- and 3-((Substituted phenyl)alkyl) quinolindines. Structure-Activity Relationships", J. Med. Chem., Vol. 30, 1987, pp. 2259-2269.	<input type="checkbox"/>
41	MOUNTZ et al., "Defective clonal deletion and energy induction in TCR transgenic (pr/pr mice", Immunology, Vol. 6, 1994, pp. 27-37.	<input type="checkbox"/>

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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/jmf/	Date (YYYY-MM-DD)	2007-05-25
Name/Print	Jay M. Finkelstein	Registration Number	21,082

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